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ABSTRACT

A dynamically varying linearity system "DVLS" capable of varying the linearity of a radio frequency (RF) front-end of a communication device responsive to receiving a condition signal indicating a desired mode of operation of a transmitter. The DVLS may include a condition signal indicative of the desired mode of operation and a controller that adjusts the linearity of the transmitter responsive to the condition signal. The condition signal may be responsive to a user interface. The controller, responsive to the condition signal, may dynamically adjust the operating current of the transmitter.